AMENDMENTS TO THE CLAIMS

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.   (Currently Amended) A voice over Internet (VOIP) system, comprising:

at least one infrastructure component communicating with one or more wireless devices using a wireless device over-the-air (OTA) protocol different from Internet protocol (IP), the infrastructure component including:

at least one logic component facilitating communication between a target wireless device and a communication device, the target wireless device not supporting IP, the logic component undertaking method acts including:

transforming ~~information~~ voice data in IP protocol to the wireless device OTA protocol;

sending the ~~information~~ voice data in the wireless device OTA protocol to the target wireless device;

transforming ~~information~~ voice data in the wireless device OTA protocol from the target wireless device to IP protocol; and

sending the ~~information~~ voice data in IP protocol toward the communication device.

2.   (Currently Amended) The system of Claim 1, wherein the wireless device OTA protocol is a code division multiple access (CDMA) air interface protocol.

3.   (Original) The system of Claim 1, wherein the infrastructure component is a base station (BTS).

4.   (Original) The system of Claim 1, wherein the infrastructure component is a base station controller (BSC).

5.   (Currently Amended) The system of Claim 1, wherein the wireless device OTA protocol is an over-the-air (OTA) voice protocol.

6.   (Original) The system of Claim 1, wherein the logic component converts OTA protocol packets to IP packets.

7.   (Original) The system of Claim 1, wherein the logic component converts IP packets to OTA protocol packets.

8.   (Original) The system of Claim 6, wherein the logic component converts IP packets to OTA protocol packets.

9.   (Currently Amended) The system of Claim 1, wherein the wireless device OTA protocol is a spread spectrum protocol.

10.   (Original) The system of Claim 6, wherein an OTA protocol voice packet has a size less than the size of an IP packet.

11.   (Currently Amended) A method for communicating ~~information~~ voice data in IP to a wireless device not supporting Internet protocol (IP), comprising:
transforming the ~~information~~ voice data in IP to an over-the-air (OTA) protocol different from IP; and
transmitting the ~~information~~ voice data in the OTA protocol to the wireless device.

12.   (Currently Amended) The method of Claim 11, further comprising:
transforming ~~information~~ voice data in the OTA protocol from the wireless device to IP; and
sending the ~~information~~ voice data in IP toward a communication device.

13.   (Original) The method of Claim 12, further comprising associating the wireless device with an IP address based at least in part on a location of the wireless device.

14.   (Original) The method of Claim 13, wherein the method is undertaken by a communication system infrastructure component.

15.   (Original) The method of Claim 14, wherein the infrastructure component is a base station (BTS).

16.   (Original) The method of Claim 14, wherein the infrastructure component is a base station controller (BSC).

17.   (Original) The method of Claim 11, wherein the OTA protocol is a CDMA protocol.

18.   (Original) The method of Claim 12, comprising converting OTA protocol packets to IP packets.

19.   (Original) The method of Claim 12, comprising converting IP packets to OTA protocol packets.

20.   (Original) The method of Claim 11, wherein the OTA protocol is a CDMA voice protocol.

21.   (Original) The method of Claim 11, wherein an OTA protocol voice packet has a size less than the size of an IP packet.

22.   (Currently Amended) A computer program product, comprising:
        a computer-readable medium including:

4

codes for causing a computer to convert ~~information~~ voice data in Internet protocol (IP); from a communication system infrastructure to ~~information~~ voice data in over-the-air (OTA) protocol packets to render first converted packets, wherein the OTA protocol is different from IP;

codes for causing [[a]] the computer to convert ~~information~~ voice data in OTA protocol packets from a wireless device not supporting IP to IP packets to render second converted packets; and

codes for causing [[a]] the computer to provide communication between the wireless device and the infrastructure using the first and second converted packets.

23.   (Previously Presented) The product of Claim 22, wherein a first converted packet has a size smaller than a second converted packet.

24.   (Previously Presented) The product of Claim 23, wherein a first converted packet has a size smaller than a header of a second converted packet.

25.   (Previously Presented) The product of Claim 22, wherein the OTA protocol is a CDMA protocol.

26.   (Cancelled)

27.   (Currently Amended) The product of Claim [[26]] 22, wherein the ~~component~~ computer is a base station or a base station controller.

28.   (Currently Amended) The product of Claim 22, further comprising:

codes ~~means~~ for causing the computer to associat~~ing~~e the wireless device with an IP address based at least in part on a location of the wireless device.

29.   (Cancelled)

30-68. (Cancelled)

5

69.   (Previously Presented) The system of Claim 1, wherein the infrastructure component is a gateway for a satellite communication system.

70.   (Currently Amended) The system of Claim 5, wherein the wireless device OTA protocol is a protocol selected from the group of protocols consisting of: CDMA, WCDMA, TDMA, TD-SCDMA, UMTS.

71.   (Previously Presented) The method of Claim 14, wherein the infrastructure component is a gateway for a satellite communication system.

72.   (Currently Amended) The method of Claim 11, wherein the wireless device OTA protocol is a protocol selected from the group of protocols consisting of: CDMA, WCDMA, TDMA, TD-SCDMA, UMTS.

73.   (Currently Amended) The system of Claim 1, wherein the ~~information~~ voice data represents digitized voice, or digital data~~, or digitized image data~~.

74.   (Currently Amended) A voice over Internet (VOIP) system, comprising:

at least one infrastructure component communicating with one or more wireless devices using a wireless device over-the-air (OTA) protocol different from Internet protocol (IP); ~~and~~

at least one wireless communication device communicating with the infrastructure, the wireless communication device not supporting IP;

wherein the wireless device is a target wireless device; and

wherein the infrastructure component includes at least one logic component facilitating communication between the target wireless device and another communication device, the target wireless device not supporting IP, the logic component undertaking method acts including:

transforming voice data in IP protocol to the wireless device OTA protocol;

sending the voice data in wireless device OTA protocol to the target wireless device;

transforming voice data in wireless device OTA protocol from the target wireless device to IP protocol; and

sending the voice data in IP protocol toward the other communication device.

75.   (Cancelled)

76.   (Currently Amended) The system of Claim [[73]] 74, wherein the wireless device OTA protocol is a code division multiple access (CDMA) air interface protocol.

77.   (Currently Amended) The system of Claim [[73]] 74, wherein the infrastructure component is a base station (BTS).

78.   (Currently Amended) The system of Claim [[73]] 74, wherein the infrastructure component is a base station controller (BSC).

79.   (Currently Amended) The system of Claim [[73]] 74, wherein the infrastructure component is a gateway for a satellite communication system.

80.   (Currently Amended) The system of Claim [[73]] 74, wherein the wireless device OTA protocol is an over-the-air (OTA) voice protocol.

81.   (Currently Amended) The system of Claim [[73]] 74, wherein the logic component converts OTA protocol packets to IP packets.

82.   (Currently Amended) The system of Claim [[73]] 74, wherein the logic component converts IP packets to OTA protocol packets.

83.   (Previously Presented) The system of Claim 79, wherein the logic component converts IP packets to OTA protocol packets.

84. (Currently Amended) The system of Claim 78, wherein the wireless device <u>OTA</u> protocol is a spread spectrum protocol.

85. (Previously Presented) The system of Claim 79, wherein an OTA protocol voice packet has a size less than the size of an IP packet.

86. (Previously Presented) The system of Claim 84, wherein the infrastructure component is part of a communications infrastructure undertaking no devocoding.

87. (Previously Presented) The method of Claim 11, wherein the wireless device is a first wireless device and the first wireless device communicates with a second wireless device in a call, and the method includes not undertaking tandem vocoding in the call.

88. (Cancelled)